

Alchatek

CASE STUDY
SUBSURFACE VOID FILL & SOIL STABILIZATION

SANFORD STADIUM SEATING DECK

Filling Subsurface Voids *Beneath a Stadium Seating Deck*

A restoration contractor preparing Sanford Stadium's seating deck for recoating encountered voids beneath the bleachers and a sandy soil section requiring stabilization before the season opener.

INJECTION GRID
3 *ft*

PRODUCT
AP Lift 475 and AP Soil 600

01 What made this job *difficult.*

SANFORD STADIUM SEATING DECK

A restoration contractor preparing Sanford Stadium's seating deck for recoating ahead of the upcoming season encountered thin concrete sections that broke through during demolition, exposing voids beneath the bleachers. A separate sandy soil section beneath the stands also required stabilization before the deck could return to service.

With the season opener approaching, the contractor needed a repair method that avoided full deck removal or excavation.

KEY CONDITION

Ground-penetrating radar and visual inspection confirmed the extent of the voids and soil conditions.

AT A GLANCE

3 ft
GRID SPACING
injection grid across the sandy soil section

THE DEADLINE

Work had to be complete before the season opener.

02 What was specified, *and how it went in.*

AP LIFT 475 AND AP SOIL 600

Crews selected AP Lift 475 to fill the exposed voids beneath the bleachers and AP Soil 600 to stabilize the sandy section, chosen for fast reaction time and the ability to work in confined access areas without disturbing the surrounding structure.

THE MATERIAL

AP Lift 475 and AP Soil 600

AP LIFT 475 AND AP SOIL 600

Used to fill subsurface voids and stabilize sandy soil without full deck removal or excavation.

THE METHOD

01
Scanned
Conducted GPR scanning and visual inspection to confirm void and soil conditions

02
Drilled
Drilled injection points at the exposed void areas beneath the bleachers

03
Injected
Injected AP Lift 475 to fill the voids, then laid out a 3-foot injection grid across the sandy soil section and injected AP Soil 600 to stabilize it

04
Monitored
Monitored material response throughout both scopes and completed work ahead of the season opener

03 What the result was, *and what confirmed it.*

THE OUTCOME

Crews filled the subsurface voids beneath the seating deck without demolition and stabilized the sandy soil section on a 3-foot grid, completing repairs ahead of the season deadline.

THE OUTCOME

Completed ahead of the season deadline.

START THE CONVERSATION

Send us the job.
We will send back an approach.

Send us the soil report or the failure photos and Technical Services will return a written approach within two business days.

ALCHATEK TECHNICAL SERVICES

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Alchatek

Alchatek manufactures polyurethane resins, chemical grouts, and injection equipment for infrastructure repair: leak sealing, soil stabilization, concrete lifting, and seawall repair. Headquarters in Tucker, Georgia, with a bonded warehouse in Reno, Nevada.

Information in this document is believed accurate at the date of publication. Product performance depends on site conditions and application; consult the current Technical Data Sheet, which is the controlling document.

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